



ITEM	DWG/PART NUMBER	REVISIONS
04	A1787303 DWG. LOG NUMBER CHANGE TO H0820809-04	15/96
03	CHANGE TO SIZE D, ADDED ITEM 5D & 6D	15/96
02	WAS SHT. 1 OF 2 REV. 1D: RMVD 1A, 1C, 1S, 2A & 4L	03/94
01	ADDED ITEM 1A	03/94
SYM	CHANGE DESCRIPTION	BY CHD DATE

ITEM		DWG/PART NUMBER		NONNOMENCLATURE OR DESCRIPTION		MATERIAL / SPEC		QTY	
PARTS LIST									
UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES				THIS DRAWING IS THE PROPERTY OF					
TOLERANCES				ARGONNE NATIONAL LABORATORY					
DECIMALS		ANGULAR		LOG NUMBER					
.1 - .125		.001		H0820809-04					
.125 - .1875		.002							
.1875 - .25		.003							
.25 - .375		.004							
.375 - .5		.005							
.5 - .75		.006							
.75 - 1.0		.008							
1.0 - 1.5		.010							
1.5 - 2.0		.012							
2.0 - 3.0		.015							
3.0 - 4.0		.020							
4.0 - 6.0		.025							
6.0 - 10.0		.030							
10.0 - 18.0		.040							
18.0 - 30.0		.050							
30.0 - 48.0		.060							
48.0 - 72.0		.070							
72.0 - 120.0		.090							
120.0 - 240.0		.120							
240.0 - 480.0		.150							
480.0 - 960.0		.200							
960.0 - 1920.0		.250							
1920.0 - 3840.0		.300							
3840.0 - 7680.0		.350							
7680.0 - 15360.0		.400							
15360.0 - 30720.0		.450							
30720.0 - 61440.0		.500							
61440.0 - 122880.0		.550							
122880.0 - 245760.0		.600							
245760.0 - 491520.0		.650							
491520.0 - 983040.0		.700							
983040.0 - 1966080.0		.750							
1966080.0 - 3932160.0		.800							
3932160.0 - 7864320.0		.850							
7864320.0 - 15728640.0		.900							
15728640.0 - 31457280.0		.950							
31457280.0 - 62914560.0		1.000							
62914560.0 - 125829120.0		1.100							
125829120.0 - 251658240.0		1.200							
251658240.0 - 503316480.0		1.300							
503316480.0 - 1006632960.0		1.400							
1006632960.0 - 2013265920.0		1.500							
2013265920.0 - 4026531840.0		1.600							
4026531840.0 - 8053063680.0		1.700							
8053063680.0 - 16106127360.0		1.800							
16106127360.0 - 32212254720.0		1.900							
32212254720.0 - 64424509440.0		2.000							
64424509440.0 - 128849018880.0		2.100							
128849018880.0 - 257698037760.0		2.200							
257698037760.0 - 515396075520.0		2.300							
515396075520.0 - 1030792151040.0		2.400							
1030792151040.0 - 2061584302080.0		2.500							
2061584302080.0 - 4123168604160.0		2.600							
4123168604160.0 - 8246337208320.0		2.700							
8246337208320.0 - 16492674416640.0		2.800							
16492674416640.0 - 32985348833280.0		2.900							
32985348833280.0 - 65970697666560.0		3.000							
65970697666560.0 - 131941395333120.0		3.100							
131941395333120.0 - 263882790666240.0		3.200							
263882790666240.0 - 527765581332480.0		3.300							
527765581332480.0 - 1055531162664960.0		3.400							
1055531162664960.0 - 2111062325329920.0		3.500							
2111062325329920.0 - 4222124650659840.0		3.600							
4222124650659840.0 - 8444249301319680.0		3.700							
8444249301319680.0 - 16888498602639360.0		3.800							
16888498602639360.0 - 33776997205278720.0		3.900							
33776997205278720.0 - 67553994410557440.0		4.000							
67553994410557440.0 - 135107988821114880.0		4.100							
135107988821114880.0 - 270215977642229760.0		4.200							
270215977642229760.0 - 540431955284459520.0		4.300							
540431955284459520.0 - 1080863910568919040.0		4.400							
1080863910568919040.0 - 2161727821137838080.0		4.500							
2161727821137838080.0 - 4323455642275676160.0		4.600							
4323455642275676160.0 - 8646911284551352320.0		4.700							
8646911284551352320.0 - 17293822569102704640.0		4.800							
17293822569102704640.0 - 34587645138205409280.0		4.900							
34587645138205409280.0 - 69175290276410818560.0		5.000							
69175290276410818560.0 - 138350580552821637120.0		5.100							
138350580552821637120.0 - 276701161105643274240.0		5.200							
276701161105643274240.0 - 553402322211286548480.0		5.300							
553402322211286548480.0 - 1106804644422573096960.0		5.400							
1106804644422573096960.0 - 2213609288845146193920.0		5.500							
2213609288845146193920.0 - 4427218577690292387840.0		5.600							
4427218577690292387840.0 - 8854437155380584775680.0		5.700							
8854437155380584775680.0 - 17708874310761169551360.0		5.800							
17708874310761169551360.0 - 35417748621522339102720.0		5.900							
35417748621522339102720.0 - 70835497243044678205440.0		6.000							
70835497243044678205440.0 - 141670994486089356410880.0		6.100							
141670994486089356410880.0 - 283341988972178712821760.0		6.200							
283341988972178712821760.0 - 566683977944357425643520.0		6.300							
566683977944357425643520.0 - 1133367955888714851287040.0		6.400							
1133367955888714851287040.0 - 2266735911777429702574080.0		6.500							
2266735911777429702574080.0 - 4533471823554859405148160.0		6.600							
4533471823554859405148160.0 - 9066943647109718810296320.0		6.700							
9066943647109718810296320.0 - 18133887294219437620592640.0		6.800							
18133887294219437620592640.0 - 36267774588438875241185280.0		6.900							
36267774588438875241185280.0 - 72535549176877750482370560.0		7.000							
72535549176877750482370560.0 - 145071098353755500964741120.0		7.100							
145071098353755500964741120.0 - 290142196707511001929482240.0		7.200							
290142196707511001929482240.0 - 580284393415022003858964480.0		7.300							
580284393415022003858964480.0 - 1160568786830044007717928960.0		7.400							
1160568786830044007717928960.0 - 2321137573660088015435857920.0		7.500							
2321137573660088015435857920.0 - 4642275147320176030871715840.0		7.600							
4642275147320176030871715840.0 - 9284550294640352061743431680.0		7.700							
9284550294640352061743431680.0 - 18569100589280704123486863360.0		7.800							
18569100589280704123486863360.0 - 37138201178561408246973726720.0		7.900							
37138201178561408246973726720.0 - 74276402357122816493947453440.0		8.000							
74276402357122816493947453440.0 - 148552804714245632987894906880.0		8.100							
148552804714245632987894906880.0 - 297105609428491265975789813760.0		8.200							
297105609428491265975789813760.0 - 594211218856982531951579627520.0		8.300							
594211218856982531951579627520.0 - 1188422437713965063903159255040.0		8.400							
1188422437713965063903159255040.0 - 2376844875427930127806318510080.0		8.500							
2376844875427930127806318510080.0 - 4753689750855860255612637020160.0		8.600							
4753689750855860255612637020160.0 - 9507379501711720511225274040320.0		8.700							
9507379501711720511225274040320.0 - 19014759003423441022450548080640.0		8.800							
19014759003423441022450548080640.0 - 38029518006846882044901096161280.0		8.900							
38029518006846882044901096161280.0 - 76059036013693764089802192322560.0		9.000							
76059036013693764089802192322560.0 - 152118072027387528179604384645120.0		9.100							
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304236144054775056359208769290240.0 - 608472288109550112718417538580480.0		9.300							
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1216944576219100225436835077160960.0 - 2433889152438200450873670154321920.0		9.500							
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9735556609752801803494680617287680.0 - 19471113219505603606989361234575360.0		9.800							
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155768905756044828855914889876602880.0 - 311537811512089657711829779753205760.0		10.200							
311537811512089657711829779753205760.0 - 623075623024179315423659559506411520.0		10.300							
623075623024179315423659559506411520.0 - 1246151246048358630847319119012823040.0		10.400							
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19938419936773738093557105904205168640.0 - 39876839873547476187114211808410337280.0		10.900							
39876839873547476187114211808410337280.0 - 79753679747094952374228423616820674560.0		11.000							
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159507359494189904748456847233641349120.0 - 319014718988379809496913694467282698240.0		11.200							
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638029437976759618993827388934565396480.0 - 1276058875953519237987654777869130792960.0		11.400							
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